PTO/SB/05 (08-03) Approved for use through 07/31/2006. OMB 0651-0032 U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Attorney Docket No. UTILITY Camahan, Eric PATENT APPLICATION First Inventor TRANSMITTAL Reversible Heat Engine Title (Only for new nonprovisional applications under 37 CFR 1.53(b)) Express Mail Label No. ER358713140US Commissioner for Patents APPLICATION ELEMENTS ADDRESS TO: P.O. Box 1450 See MPEP chapter 600 concerning utility patent application contents. Alexandria VA 22313-1450 1. Fee Transmittal Form (e.g., PTO/SB/17) 7. CD-ROM or CD-R in duplicate, large table or (Submit an original and a duplicate for fee processing) Computer Program (Appendix) Applicant claims small entity status. Nucleotide and/or Amino Acid Sequence Submission See 37 CFR 1.27. (if applicable, all necessary) 3. 🗹 Specification [Total Pages\_ Computer Readable Form (CRF) (preferred arrangement set forth below) Descriptive title of the invention Specification Sequence Listing on: - Cross Reference to Related Applications Statement Regarding Fed sponsored R & D CD-ROM or CD-R (2 copies); or - Reference to sequence listing, a table, or a computer program listing appendix Paper - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) Statements verifying identity of above copies - Detailed Description ACCOMPANYING APPLICATION PARTS Claim(s) - Abstract of the Disclosure Assignment Papers (cover sheet & document(s)) 4. Drawing(s) (35 U.S.C. 113) [Total Sheets \_\_\_ 37 CFR 3.73(b) Statement 10. ¬ Power of (when there is an assignee) Attorney 5. Oath or Declaration Total Sheets English Translation Document (if applicable) a. Newly executed (original or copy) Copies of IDS Information Disclosure Statement (IDS)/PTO-1449 Citations Copy from a prior application (37 CFR 1.63(d)) Preliminary Amendment (for continuation/divisional with Box 18 completed) Return Receipt Postcard (MPEP 503) (Should be specifically itemized) **DELETION OF INVENTOR(S)** Certified Copy of Priority Document(s) Signed statement attached deleting inventor(s) (if foreign priority is claimed) name in the prior application, see 37 CFR 16. 🗀 Nonpublication Request under 35 U.S.C. 122 1.63(d)(2) and 1.33(b). (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 6. Application Data Sheet. See 37 CFR 1.76 17. Other: Petition to Make Special 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.: ..... Prior application information:

Examiner \_\_\_\_\_\_ Art Unit: \_\_\_\_\_
For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS Customer Number: OR Correspondence address below Name Eric Carnahan 2615 Carolyn Dr **Address** 

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

City

Country

Signature

Smyma

Name (Print/Type) | Eric Carnahan

**United States** 

State |GA

Telephone | 770-801-1349

Registration No. (Attorney/Agent)

Zip Code

Fax

Date

30080

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	nder the Paperwork Reduction Act of 1995, no persons are required to r	respond to a collection of information unless it displays a valid OMB control number

## **FEE TRANSMITTAL** for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

✓ Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** 

(\$)	448
(2)	440

Complete if Known		
Application Number		
Filing Date		
First Named Inventor	Carnahan, Eric	
Examiner Name		
Art Unit		
Attorney Docket No.		

METHOD OF PAYMENT (check all that apply)	METHOD OF PAYMENT (check all that apply)  FEE CALCULATION (continued)			
Check Credit card Money Other None	3. ADDIT	ONAL FEES	S	
Deposit Account:	Large Entity	Small Entity		
Deposit	Fee Fee Code (\$)	Fee Fee Code (\$)	Fee Description	Fee Paid
Account Number	1051 130	1	Surcharge - late filing fee or oath	l ee Faid
Deposit Account	1052 50		Surcharge - late provisional filing fee or cover sheet	
Name The Director is authorized to: (check all that apply)	1053 130	1053 130 N	Non-English specification	
Charge fee(s) indicated below Credit any overpayments	1812 2,520	1812 2,520 F	for filing a request for ex parte reexamination	
Charge any additional fee(s) or any underpayment of fee(s)	1804 920°		Requesting publication of SIR prior to Examiner action	
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1805 1,840*		Requesting publication of SIR after Examiner action	
FEE CALCULATION	1251 110	2251 55 E	Extension for reply within first month	LI
1. BASIC FILING FEE	1252 420	2252 210 E	Extension for reply within second month	<u> </u>
Large Entity Small Entity	1253 950	2253 475 E	Extension for reply within third month	
Fee Fee Fee Fee Fee Description Fee Paid Code (\$) Code (\$)	1254 1,480	2254 740 [	Extension for reply within fourth month	
1001 770 2001 395 Utility filing for	1255 2,010	2255 1,005	Extension for reply within fifth month	
1002 340 2002 170 Design filing fee 385.00	1401 330	2401 165	Notice of Appeal	
1003 530 2003 265 Plant filing fee	1402 330	2402 165 F	Filing a brief in support of an appeal	
1004 770 2004 385 Reissue filing fee	1403 290	2403 145 F	Request for oral hearing	
1005 160 2005 80 Provisional filing fee	1451 1,510	1451 1,510 F	Petition to institute a public use proceeding	
SUBTOTAL (1) (\$) 385.00	1452 110	2452 55 F	Petition to revive - unavoidable	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1453 1,330	2453 665 1	Petition to revive - unintentional	
Fee from	1501 1,330	2501 665 เ	Utility issue fee (or reissue)	
Extra Claims below Fee Paid  Total Claims 27 20** = 7 x 9 = 63	1502 480	2502 240 [	Design issue fee	
Independent	1503 640	2503 320 1	Plant issue fee	
The periodent   2	1460 130	1460 130 1	Petitions to the Commissioner	
	1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
Large Entity   Small Entity	1806 180		Submission of Information Disclosure Stmt	
Code (\$) Code (\$)  1202 18 2202 9 Claims in excess of 20	8021 40	8021 40 F	Recording each patent assignment per property (times number of properties)	
1201 86 2201 43 Independent claims in excess of 3	1809 770		Filing a submission after final rejection (37 CFR 1.129(a))	
1203 290 2203 145 Multiple dependent claim, if not paid	1810 770	2810 385 F	For each additional invention to be	
1204 86 2204 43 ** Reissue independent claims over original patent	1801 770		examined (37 CFR 1.129(b))  Request for Continued Examination (RCE)	
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802 900	1802 900	Request for expedited examination of a design application	
SUBTOTAL (2) (\$) 63.00	Other fee (s	ecify)		
**or number previously paid, if greater; For Reissues, see above	*Reduced by	Basic Filing Fee	e Paid SUBTOTAL (3) (\$)	

SUBMITTED BY		(Complete (if applicable))	(Complete (if applicable))		
Name (Print/Type)	Eric Carnahan	Registration No. (Attomey/Agent)	Telephone 770-801-	1349	
Signature	mulle		Date // / 0	5/2003	

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